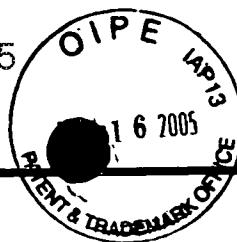


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First Named Inventor

Henrik JENSEN et al.

Art Unit

TBA

Examiner Name

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Sheet

3 of 4

Attorney Docket Number

55320.000401

**OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS**

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
/J.S./	29	Huismann, Carolien L. et al, "Preparation of a Nanostructured Composite of Titanium Dioxide and Polythiophene: New Routes Towards 3D Heterojunction Solar Cells", Laboratory for Inorganic Chemistry, Faculty of Applied Sciences, Delft University of Technology, Julianalaan 136, 2628 BL Delft, The Netherlands.	
/J.S./	30	Kalaji, M., www.chemsoc.org, "Fifth International Conference on Materials Chemistry, Photoactive TiO <sub>2</sub> nanostructured colloidal particles and thin films prepared by surfactant templating", chemsoc, Department of Chemistry, University of Wales Bangor, UK	
/J.S./	31	www.businessstoinvestor.com, Altair Nanotechnologies, Inc.	
/J.S./	32	Kemira, Reflections, Customer Newsletter 2-2001	
/J.S./	33	Loy, Douglas A. et al, "Direct Formation of Aerogels by Sol-Gel Polymerizations of Alkoxy silanes in Supercritical Carbon Dioxide", Chem. Mater., 1997, Vol. 9, No. 11, 2264-2268	
/J.S./	34	Kendall, Jonathan L. et al., "Polymerizations in Supercritical Carbon Dioxide," Chemical Reviews 1999, Vol. 99, No. 2, 543-563	
/J.S./	35	Schaumburg, Kjeld, "Supercritical Sovents for Preparation of Nanoparticles, sustainable technologies for the synthesis and compounding of functional nanoparticles", University of Copenhagen	
/J.S./	36	www.kemira.com/pigments, Kemira, Product Data sheet, Kemira An and Preliminary Data Sheet for AXX	
/J.S./	37	www.kemira.com/pigments/titanium_in_brief/titanium.html, "Titanium and titanium dioxide in brief", Sulphate process; Chloride process; Main technical properties of TiO <sub>2</sub> pigments	
/J.S./	38	www.toto.co.jp/hydro_e/hydro_el.htm, "Super-hydrophilic photocatalyst and its applications", TOTO Ltd., Photocatalyst Business Division (7 pages)	
/J.S./	39	www.kronosorders.com/khome.nsf, TiO <sub>2</sub> , Company History, History of our TiO <sub>2</sub> products	
/J.S./	40	www.bikek.com.tw/titanium.htm, "BikTek Bicycle Industrial Know How & Technology", Titanium Technical Services. Web Site.	

NOV 16 2005

/J.S./	41	Paul D. Moran, John C. Bartlett, Graham A. Bowmaker, James L. Polfrey, Ralph P. Cooney, "Formation of $TiO_2$ Sols, Gels and Nanopowders from Hydrolysis of $Ti(O'Pr)_4$ in AOT Reverse Micelles", Journal of Sol-Gel Science and Technology 15, 251-262, 1999	
/J.S./	42	B. D. Stojanovic, Z. V. Marinkovic, G. O. Brankovic and E. Fridancevska, "Evaluation of Kinetic Data for Crystallization of $TiO_2$ prepared by Hydrolysis Method", Jour. of Thermal Analysis and Calorimetry, Vol. 60, 595-604, 2000	
/J.S./	43	S. Yoda et al., "Adsorption and Photocatalytic Decomposition of Benzene Using Silica-Titania and Titania Aerogels: Effect of Supercritical Drying", Journal of Sol-Gel Science and Technology 22, 75-81, 2001	
/J.S./	44	E. Reverchon et al., "Synthesis of titanium hydroxide nanoparticles in supercritical carbon dioxide on the pilot scale", J. of Supercritical Fluids 00 (2002) 1-9	
/J.S./	45	Jennifer Jung and Michel Perrut, "Particle design using supercritical fluids: Literature and patent survey", Journal of Supercritical fluids 20 (2001) 179-219	
/J.S./	46	Y. Fukushima, "Application of Supercritical Fluids", R&D review of Toyota CRDL, Vol. 35, No. 1	
/J.S./	47	S. V. Manorama et al., "Photostabilization of dye on anatase titania nanoparticles polymer capping", Journal of Physics and Chemistry of Solids, 2002, Vol. 63, No. 1, 135-143	
/J.S./	48	Chhor, K. et al., "Syntheses of submicron $TiO_2$ , powders in vapor, liquid and supercritical phases, a comparative study", Materials Chemistry and Physics, 32 (1992) 249-254	
/J.S./	49	G. D. Brown and J. J. Watkins, "Carbon Dioxide - Dilated Block Copolymer Templates for Nanostructured Materials", Mat. Res. Soc. Symp. Proc. Vol. 584, Materials Research Society 2000, pp 169-174	
/J.S./	50	F. Miyaji et al., "Transition Metal Oxide Tubes Synthesized by Using Ammonium Tartrate Crystal Template", Journal of the Ceramic Society of Japan, 109 [11] 924-928 (2001)	
/J.S./	51	N. Uekawa et al., "Low Temperature Synthesis and Characterization of Porous Anatase $TiO_2$ Nanoparticles", Journal of Colloid and Interface Science 250, 285-290 (2002)	
/J.S./	52	G. Beaucage and D. W. Schaefer, "Structural Studies of Complex Systems Using Small Angle Scattering: a unified Guinier/power law approach", Journal of Non-Crystalline Solids 172-174: 797-805 (1994)	
/J.S./	53	J. F. Porter et al., "The effect of calcination on the microstructural characteristics and photoreactivity of degussa P-25 $TiO_2$ ", J. Mat. Sci. 34: 1523-1531 (1999)	
/J.S./	54	O. Robbe et al., "Synthesis of Fine Ceramic Oxide Particles By The Sol-Gel Process in Supercritical $CO_2$ "	
/J.S./	55	Reddy et al., "Preparation, Characterization, and Spectral Studies on Nanocrystalline Anatase $TiO_2$ sub 2", Journal of Solid State Chemistry, Vol. 158 Issue.2, 180-186 (2001)	

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/Jennifer Smith/

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